

VISION RESEARCH

Founded by THORNE SHIPLEY

Chairman

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Vision Research is a journal devoted to the functional aspects of human, vertebrate and invertebrate vision and welcomes papers that address important issues in basic and/or clinical research. The journal is sub-divided into five sections, each with at least two Section Editors for publication of full papers and *Letters-to-the-Editor*. The journal has also a section called Rapid Communications for publication of highly topical material of about 2000 words on a fast publication track (within 3 months upon acceptance).

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brain imaging
functional morphology and anatomy
pigments and transduction
the role of neurotransmitters
retinal, subcortical and cortical electrophysiology
physiological optics
plasticity and regeneration of function

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binocular, depth, motion, colour, form, pattern,
orientation and texture vision
spatial vision and stereopsis
attentive vision
adaptation and aftereffects

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animal psychophysics
eye movements and oculomotor studies, reading
visual guidance of manipulation, locomotion and navigation
visual behaviour in space

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models and theory
visual networks

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Section 5: Clinical Vision Sciences

psychophysics, electrophysiology
pathophysiology, neuropharmacology
experimental ophthalmology and neurology
functional (brain) imaging

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Front cover illustration: The cover image shows a model of retinal neurogenesis and degeneration of rod photoreceptors in the teleost retina. Within the differentiated retina, stem cells in the INL proliferate, renewing the stem cell population and giving rise to INL progenitors that proliferate as they migrate to the outer nuclear layer. There they become rod precursors and ultimately differentiate into new rod photoreceptors. For further details see D. Ottelson and P. Hitchcock, Stem Cells in the Teleost Retina: Persistent Neurogenesis and Injury-induced regeneration, in this issue.